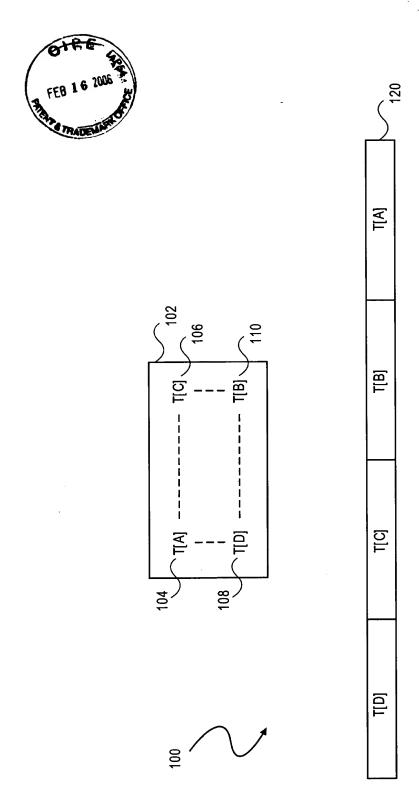REPLACEMENT SHEET
Title: An Apparatus And Method For Loading A Data Storage
Device With A Plurality Of Randomly Located Data
1st Named Inventor: William W. Macy
Application No.: 09/945,422   Docket No.: 42390P12386
Sheet: 1/5

FIG. 1
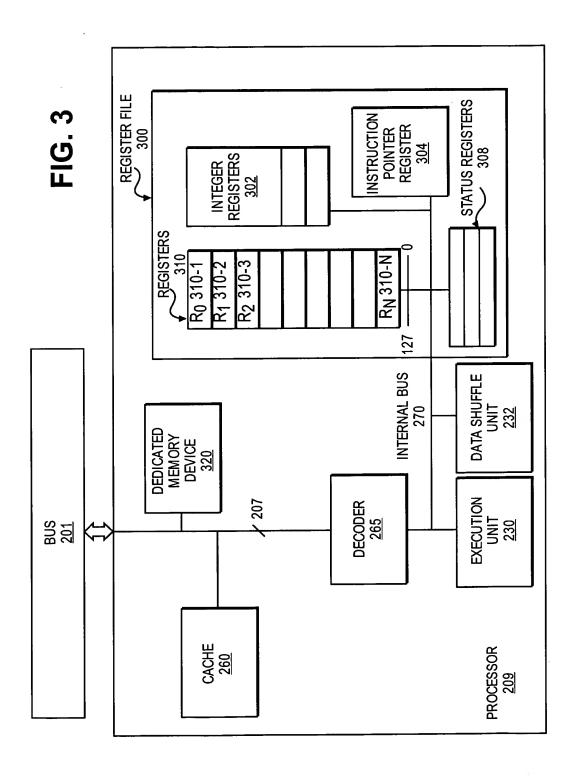(PRIOR ART)

REPLACEMENT SHEET
Title: An Apparatus And Method For Loading A Data Storage
Device With A Plurality Of Randomly Located Data
1st Named Inventor: William W. Macy
Application No.: 09/945,422   Docket No.: 42390P12386
Sheet: 2/5

FIG. 3

REPLACEMENT SHEET
Title: An Apparatus And Method For Loading A Data Storage
Device With A Plurality Of Randomly Located Data
1st Named Inventor: William W. Macy
Application No.: 09/945,422   Docket No.: 42390P12386
Sheet: 3/5
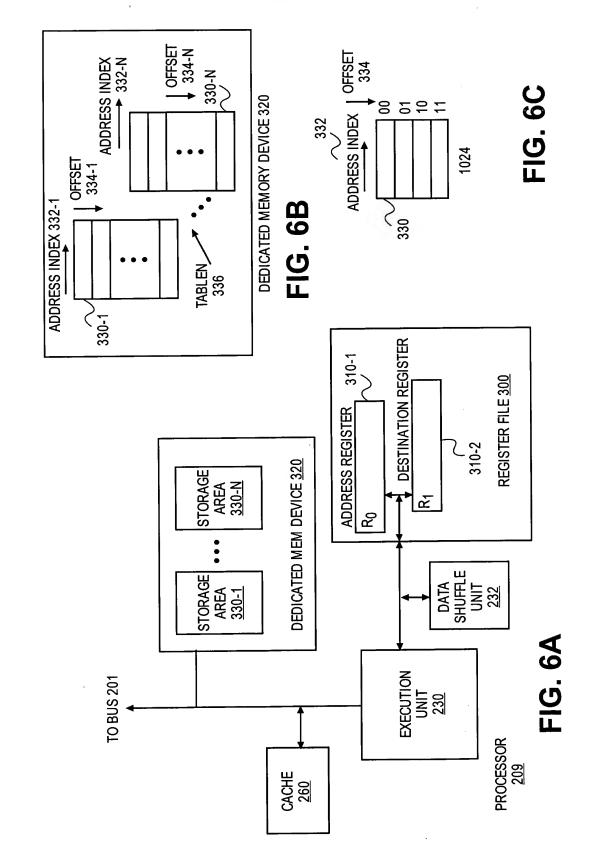
FIG. 6B

FIG. 6C

FIG. 6A

REPLACEMENT SHEET
Title: An Apparatus And Method For Loading A Data Storage
Device With A Plurality Of Randomly Located Data
1st Named Inventor: William W. Macy
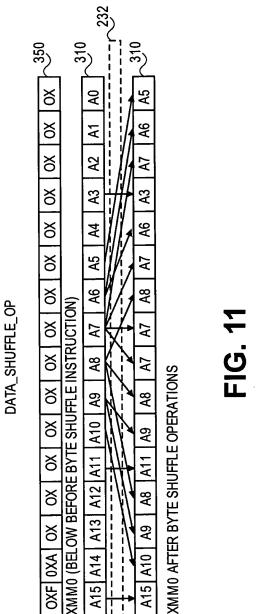Application No.: 09/945,422   Docket No.: 42390P12386
Sheet: 4/5

FIG. 11

REPLACEMENT SHEET
Title: An Apparatus And Method For Loading A Data Storage
Device With A Plurality Of Randomly Located Data
1st Named Inventor: William W. Macy
Application No.: 09/945,422   Docket No.: 42390P12386
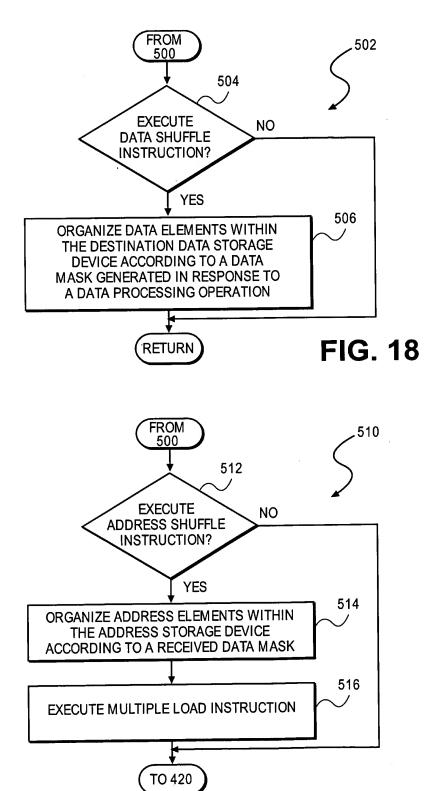Sheet: 5/5

FROM 500

502

EXECUTE DATA SHUFFLE INSTRUCTION? — 504

NO

YES

ORGANIZE DATA ELEMENTS WITHIN THE DESTINATION DATA STORAGE DEVICE ACCORDING TO A DATA MASK GENERATED IN RESPONSE TO A DATA PROCESSING OPERATION — 506

RETURN

FIG. 18

FROM 500

510

EXECUTE ADDRESS SHUFFLE INSTRUCTION? — 512

NO

YES

ORGANIZE ADDRESS ELEMENTS WITHIN THE ADDRESS STORAGE DEVICE ACCORDING TO A RECEIVED DATA MASK — 514

EXECUTE MULTIPLE LOAD INSTRUCTION — 516

TO 420

FIG. 19